



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> :C07F 15/02, 15/04, 15/06, 15/00, 9/00,  
C08F 10/00

A1

(11) International Publication Number:

WO 00/47592

(43) International Publication Date:

17 August 2000 (17.08.00)

(21) International Application Number: PCT/GB99/04350

(22) International Filing Date: 22 December 1999 (22.12.99)

(30) Priority Data:

9902697.3

9 February 1999 (09.02.99)

GB

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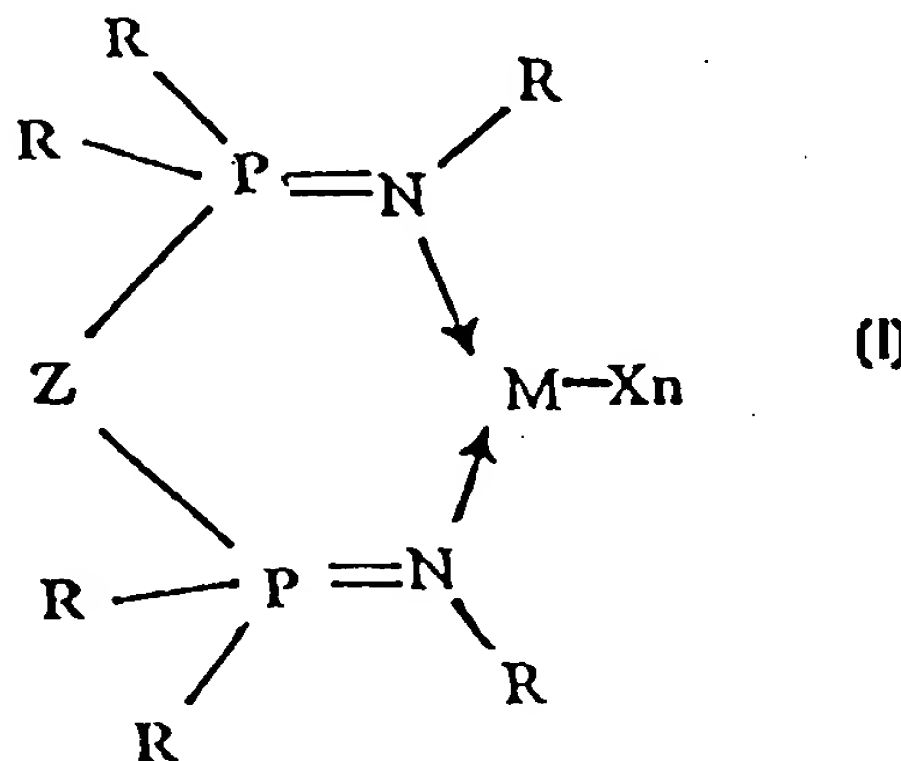
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(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: METAL COMPLEXES AS CATALYST COMPONENT FOR OLEFIN POLYMERIZATION



## (57) Abstract

Novel nitrogen containing transition metal complexes have general formula (I): wherein M is Fe[II], Fe[III], Ni[II], Co[I], Co[II], Co[III], V[III], Mn[I], Mn[II], Mn[III], Mn[IV], Ru[II], Ru[III] or Ru[IV]; Pd[II], V[III], V[IV] or V[V]. X represents an atom or group covalently or ionically bonded to the transition metal M; R is independently selected from hydrogen, halogen, hydrocarbyl, substituted hydrocarbyl, heterohydrocarbyl or substituted heterohydrocarbyl; Z is a bridging group comprising a donor atom of N, P or S or alternatively is a neutral group comprising a C<sub>1</sub>-C<sub>4</sub> alkylene group, a silyl or germyl group, and n = an integer to satisfy the valency of M. The complexes are suitable for use on the polymerisation and copolymerisation of olefins.